Gosafe 797

Configuration Software

OEM

User manual

GOSAFE

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Document History

GOSAFE

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GOSAFE

1. General Note

1.1 The aim of this document

Gosafe provide this document to describe the functions and operation environment of configuration software, with the aim of providing a better understanding of using scope and approaches of the configuration software for the OEM manufacture, What's more, this document also provides necessary maintaining and updating information for G797 configuration software.

1.2Copyright

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1.3Reference materials

G797 protocol and G797 user manual

GOSAFE

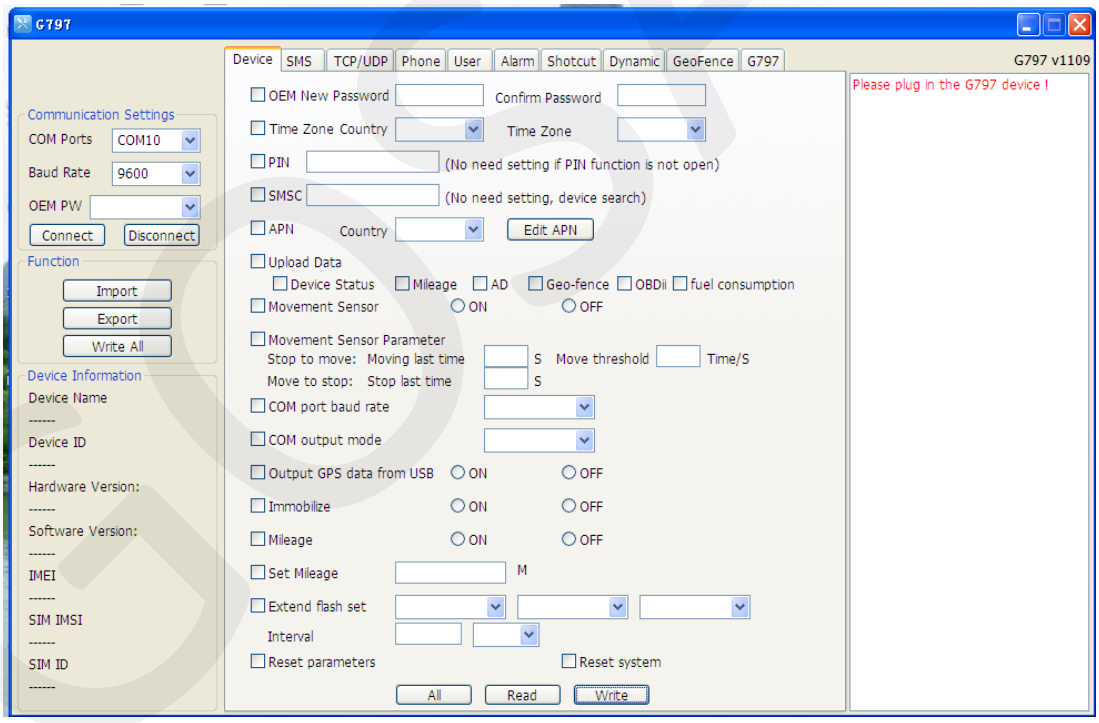
2. Software Overview

2.1Software usage

The Intended audiences of this document arethe distributor and reseller of G797. Who use the G797 device, this document also provides a fast configuration tool.

2.2Software operation

This software can be operatedon both the PC and the compatible machine, it can be used with Microsoft windows (compatible windows 7), at first, you should decompress the software, and then click the Iconsdirectly, then you can see the main menu of the software, you can configure the device as you need. The specific is as following:



2.3Structure of the software

The software consists of three parts, which are configuration file —config.xml; APN list file —apnlist.txt and executable file —G797.exe.

2.4installation of the USB driver for the software

Please connect our device to your computer, you will see the below picture:

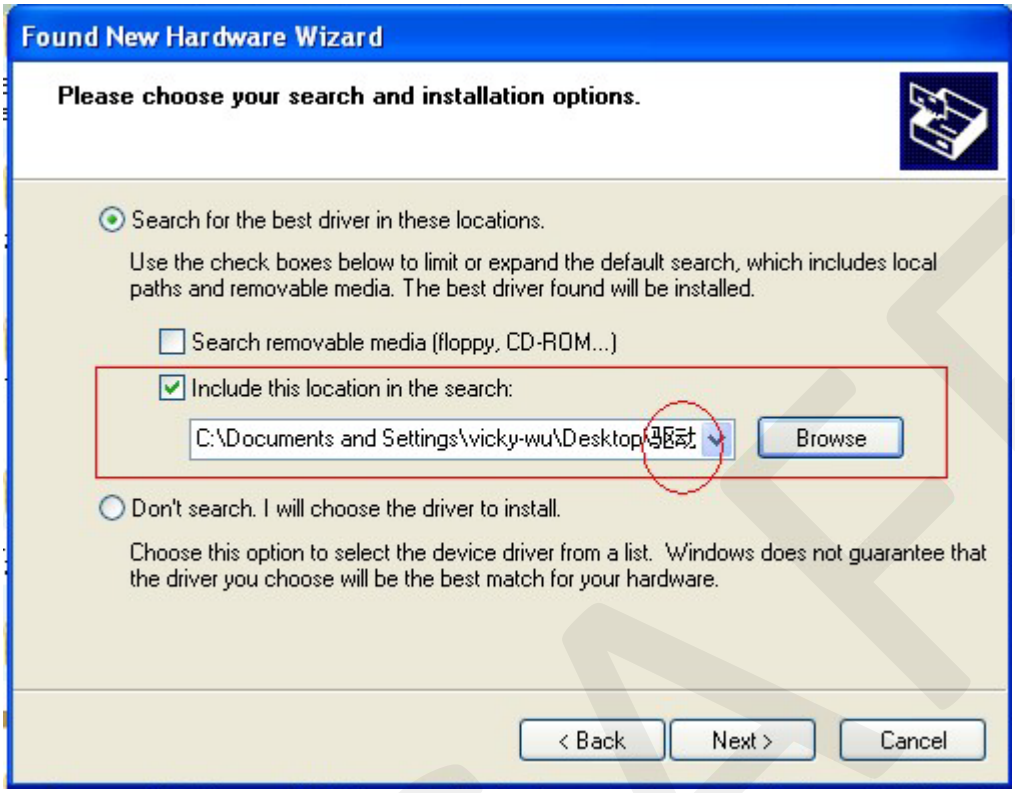
Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
Tracking Config Port
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

Then choose the options as the below picture show you

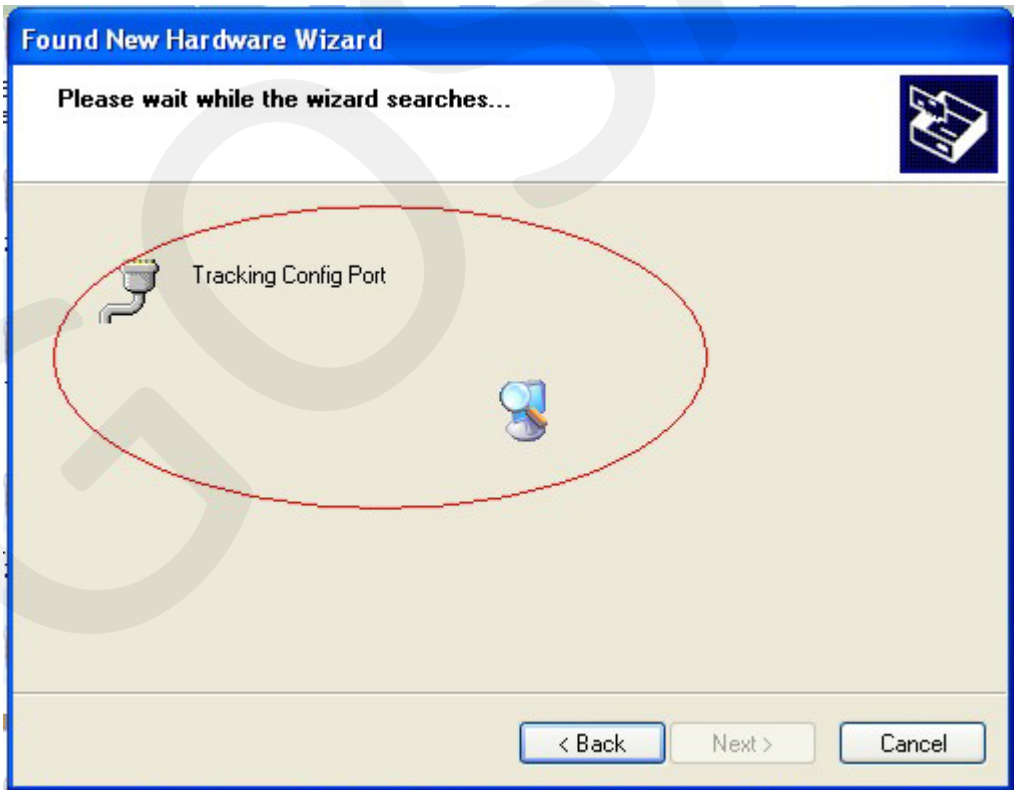
Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
Tracking Config Port
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

Then click the 'next' button to go to the below picture, and we choose as the below picture show you. Please note that when you are choosing the 'Browse' button, you should choose the configuration file folder. ***You should choose the configuration file folder which has the***

"Anytracking USB.inf" document.


Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
C:\Documents and Settings\vicky-wu\Desktop\驱动
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back
Next >
Cancel

Then press 'next' button, you will see the below picture.



Finally the installation is finish and we get the below picture.

Note:

If you have not do the installation of the USB driver, the device will cannot be connected to your computer.

3. The usage of software

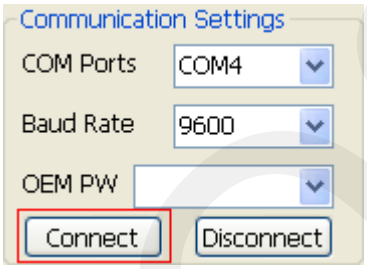
3.1software starting

Clicking the executable file G797.exe directly, entering into the main screen of the configuration software.

3.2Device connection

The software will check the USB port automatically after started, if the device disconnect, it will remained you to connect the device with PC; If the device connect, the device will detect main information of device. This device can be drawn out in the course of usage, and it can connect with PC again. When it connected successful, the software will display the basic information of the device as following:

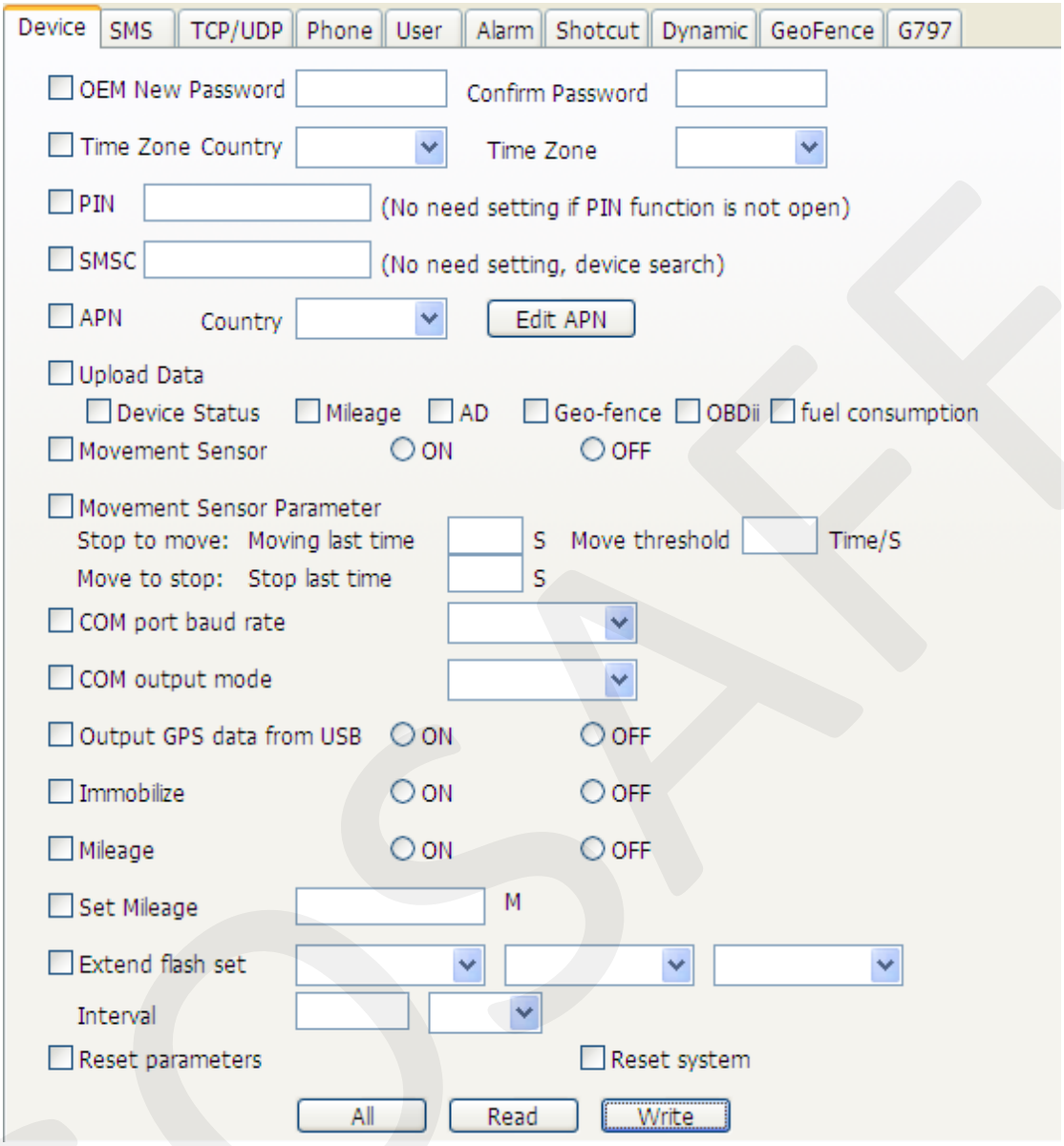
If connection fails, you can set the serial port and Baud rate by hand (default baud rate is 9600), after finished, please click “Connect” button, then it can connect successfully. Look at the following picture:



3.3Reading and writing the parameter

The software contains nine setting pages, there are both reading and writing button on each page. Each parameter has itself “check “button, after being selected, filling the correct parameter, click the “write” button, and then you can write the parameter into the device.

3.3.1 Device Configuration page



The device configuration page contains the main setting for the device. The details of the setting are as follows:

3.3.1.1 OEM Password & Confirm Password

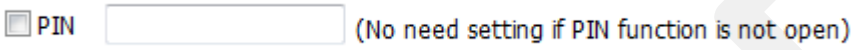
The device contain OEM password and the default password is 0123456789. This password can be changed by selecting this parameter. It is recommended that don't change the OEM password.

3.3.1.2 Time Zone Country & Time Zone

The device can be set for the time zone. This time zone setting is only for the user. When user receives the SMS it will contain time and this time will be same as what time zone set in this parameter.

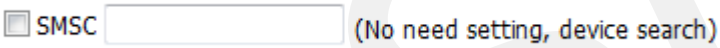
3.3.1.3 PIN

The PIN is for the SIM card if the SIM card doesn't have any PIN then no need to set this pin code here. If the SIM card contain PIN code then it must be set here.



3.3.1.4 SMSC

SMSC is a message center number of the SIM card inside the device. Normally device take the SMSC number automatically from the SIM card but if device is not reply back to SMS this means that device is not able to read the SMSC number from the SIM card. In this case please set the SMSC number. The format of the SMSC is +Country Code SMSC number.



Example: China mobile SMSC number is 13800200500. So the SMSC number must be set like

+8613800200500

3.3.1.5 APN

The G797 are designed in such a way that it can read its memory to configure the APN automatically. Device need all the information need to store in its memory regarding the APN. The APN parameter is to set the APN List in the memory of the device. Reseller and Distributer can set all the APN list of their country in the file and configure it to the device.

The APN list can be edit by pressing the Edit APN button. It will open a text file which contain all the APN list if set country APN is not available it can be added as follows:

[yyyy]

MCC=xxx; MNC=xx; APN=xxxxxxxx; USER NAME=xxxxxx; PW=xxxxxxx;

MCC=xxx; MNC=xx; APN=xxxxxxxx; USER NAME=xxxxxx; PW=xxxxxxx;

yyyy is country name

MCC & MNC can get from the GSM service provider or can find from this link http://en.wikipedia.org/wiki/Mobile_Network_Code# Note that every GSM service provider has its own MCC and MNC. If the MCC and MNC is not correct the device will not set the APN.

APN: access point name

USER NAME: this is the user name of the APN if there is no user name can leave this blank

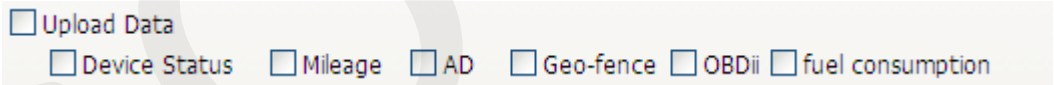
PW: This is the password for the APN. If there is no password for the APN can leave this blank

In the above example there are two GSM operator added. If there are more operators then just add more lines with their APN details.

3.3.1.6 Upload Data

It can select what data device will upload to the server. There are four options

1. Device status
2. Mileage
3. AD (temperature & Power status)
4. Geo-Fence
5. OBDII
6. Fuel consumption



3.3.1.7 Movement Sensor

The system can enable disable the movement sensor.

Note: The upload modes are depended on movement sensor. If the movement sensor is disabled the user will not receive “Move Alarm” and also the system will keep one upload mode.

3.3.1.8 Movement Sensor Parameter

The movement sensor parameters are to set the sensitivity of the movement sensor. Here we have three parameters

1. Stop to Move: Moving Last Time: This is time in seconds mean if the device moves for set time. Value range (1 ~ 255)
2. Move Thrash hold: This number of movement in the set time. Value range (1~255)
3. Move to Stop: This is time means if the vehicle stops for more than set time here will again send the move alarm to the user. If it stops less than set time here then it will not send the move alarm to user. Value range (1~255)

3.3.1.9Com Port Baud Rate & Mode

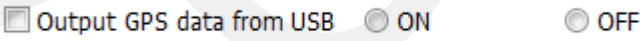
The device communication port baud rate can be set here. Click on the drop down menu to select the baud rate. Default is 9600

The output mode can also be selected here. Click on the drop down menu and here we have three options

1. Normal:_____
2. GPS:
3. Debug:

3.3.1.10Output GPS data from USB

Turn ON or OFF the GPS data output via USB.



3.3.1.11 Immobilize

Enable disable the immobilizer feature.

3.3.1.12 Mileage

Enable disable mileage calculation feature.

3.3.1.13 Set Mileage

The system can store the mileage of the vehicle which is 0 when the tracker is just installed and can add the future GPS mileage automatically in it. And you can also set the initial mileage on the tracker. Please note that the number we have to enter here is in meters. The default value is 0.

3.3.1.14 Extend Flash Set

The system has internal memory which can record < 7000 records which can be sent to the server on different mode. The extend flash memory is for storing overflow records.

Parameter 1

0: over flow: when the RAM overflows, flash memory will store overflowed data.

1: All: the flash will store all the vehicle data (which is the default).

Parameter 2 -----Flash data upload channel

T: TCP channel (which is the default).

D: UDP channel

Parameter 3-----Flash upload option

0: Auto: upload automatically when GPRS signal exist (which is the default).

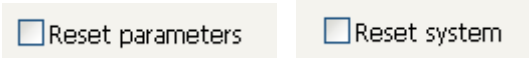
1: Request: upload by this command"EFR".

2: Timer: upload by interval

3.3.1.15 interval

When the flash upload option is **2: Timer**. Then you need to set the interval time, the range can be 30~900S, 15~59M, 1~240H. Note: the default is 30M.

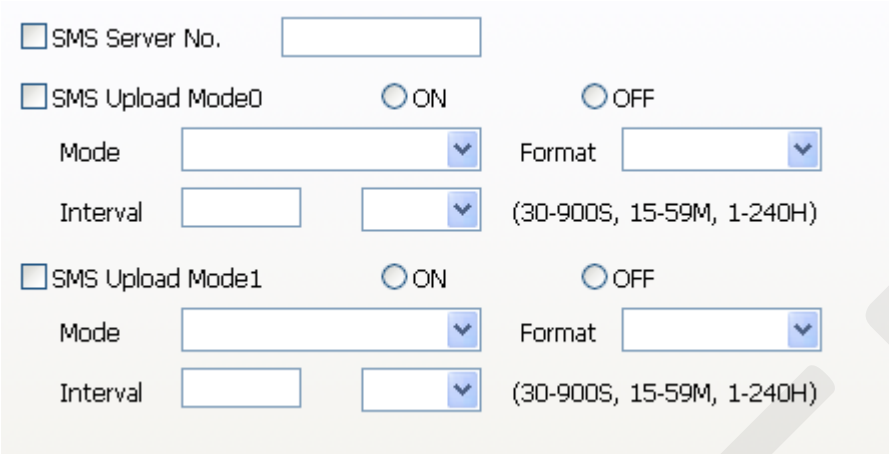
3.3.1.16 reset parameter and system



Reset parameters means all the parameters will change to the factory default.

Reset system means restart the device.

3.3.2SMS Server page



You can set the SMS server NO. and SMS server upload mode on this page.

3.3.2.1 SMS server NO.

You can get this NO. From your SIM card provider. This must be right, or you cannot get any messages from the device.

3.3.2.2SMS upload mode0

By this you decide disable or enable the SMS upload mode0.

3.3.2.3mode0

Parameter 1

G: GPS data: the message will tell you the location by showing you the longitude and latitude.

S: Base station data: the message will tell you the location by showing you the base station data.

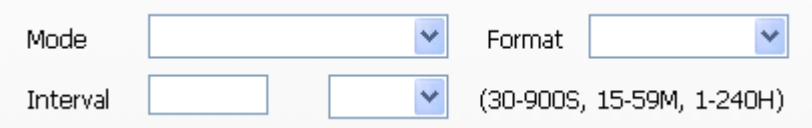
L: Voice monitor: the device will can the voice monitor number by interval.

Parameter 2

T: Text: the location datas' format is text.

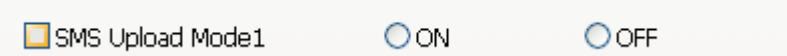
Parameter 3

It is the interval of uploading the SMS. The value can be 30~900S, 15~59M, 1~240H.



3.3.2.4SMS upload mode1

By this, disable or enable the SMS upload mode0.



3.3.2.5mode1

3.3.2.3mode0

Parameter 1

G: GPS data: the message will tell you the location by showing you the longitude and latitude.

S: Base station data: the message will tell you the location by showing you the base station data.

L: Voice monitor: the device will can the voice monitor number by interval.

Parameter 2

T: Text: the location data's' format is text.

Parameter 3

It is the interval of uploading the SMS. The value is 30~900S, 15~59M, 1~240H.

3.3.2.3mode0

Parameter 1

G: GPS data: the message will tell you the location by showing you the longitude and latitude.

S: Base station data: the message will tell you the location by showing you the base station data.

L: Voice monitor: the device will can the voice monitor number by interval.

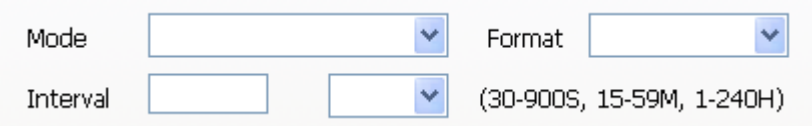
Parameter 2

T: Text: the location data's' format is text.

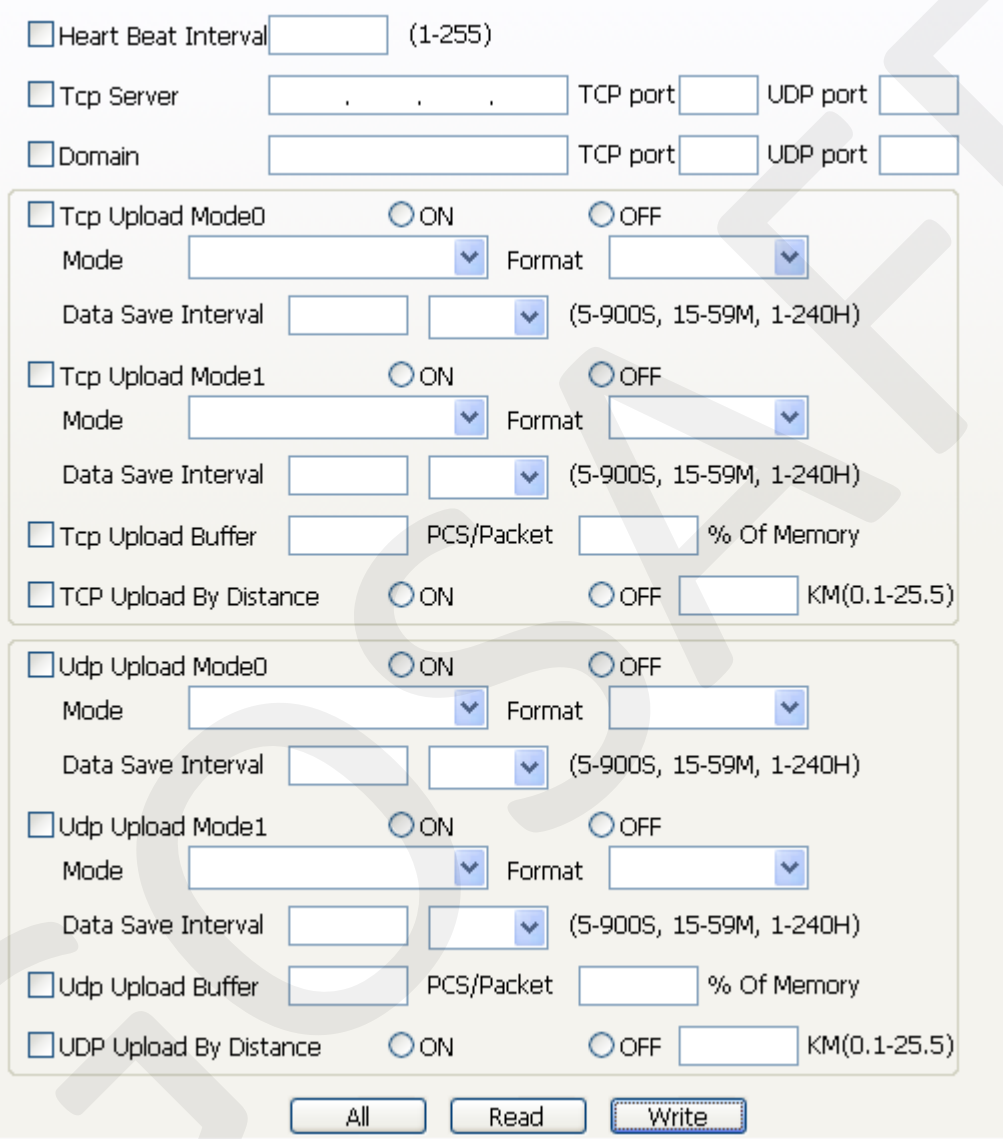
Parameter 3

GOSAFE

It is the interval of uploading the SMS. The value can be 30~900S, 15~59M, 1~240H.



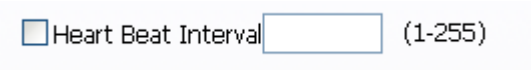
3.3.3 TCP/UDP page



This page is used to set the parameter of TCP and UDP; please refer to protocol of G797.

3.3.3.1Heart Beat Interval

This is for setting the heart beat data uploading interval. Note that the number is seconds.

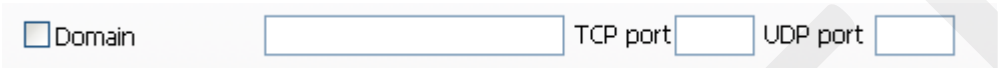


3.3.3.2TCP Server

Set the TCP Server address. The TCP port and UDP port are both necessary to set.

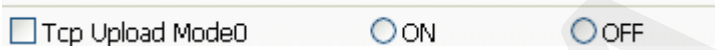
3.3.3.3Domain and TCP port and UDP port

Set the Domain name if you do not know the server's IP. The TCP port and UDP port are both necessary to set.



3.3.3.4TCP upload mode0

Disable and enable the TCP upload mode0.



3.3.3.5

Parameter 1

G: GPS data: the GPS data will be uploaded by the TCP channel.

S: Base station data: the Base station data will be uploaded by the TCP channel.

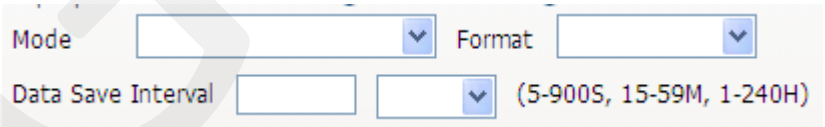
Parameter 2

T: Text: the data's format will be text.

B: Binary: the data's format will be binary.

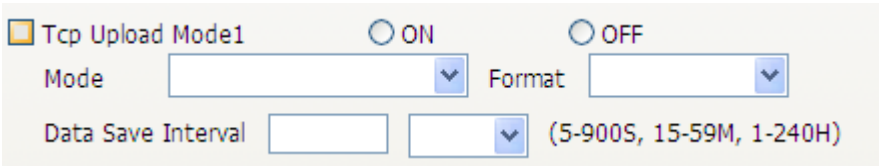
Parameter 3

Data save interval can be set. The value is 30~900S, 15~59M, 1~240H.



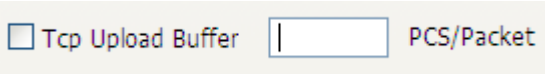
3.3.3.6TCP upload mode1

See also TCP upload mode0.



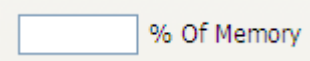
3.3.3.8TCP upload Buffer

You can set the quantity of records in every packet. When the records reach what you set, the device will upload the data automatically by the TCP channel. Note you have to enable the TCP Upload Buffer firstly.



3.3.3.9

The device will keep uploading automatically once it reach on certain percent of 1kb, like 30% by the TCP channel.

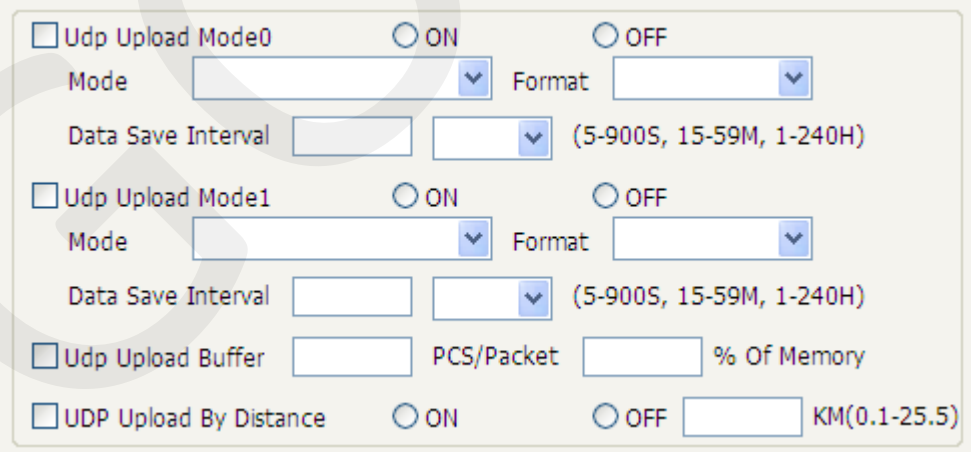


3.3.3.10TCP upload by distance

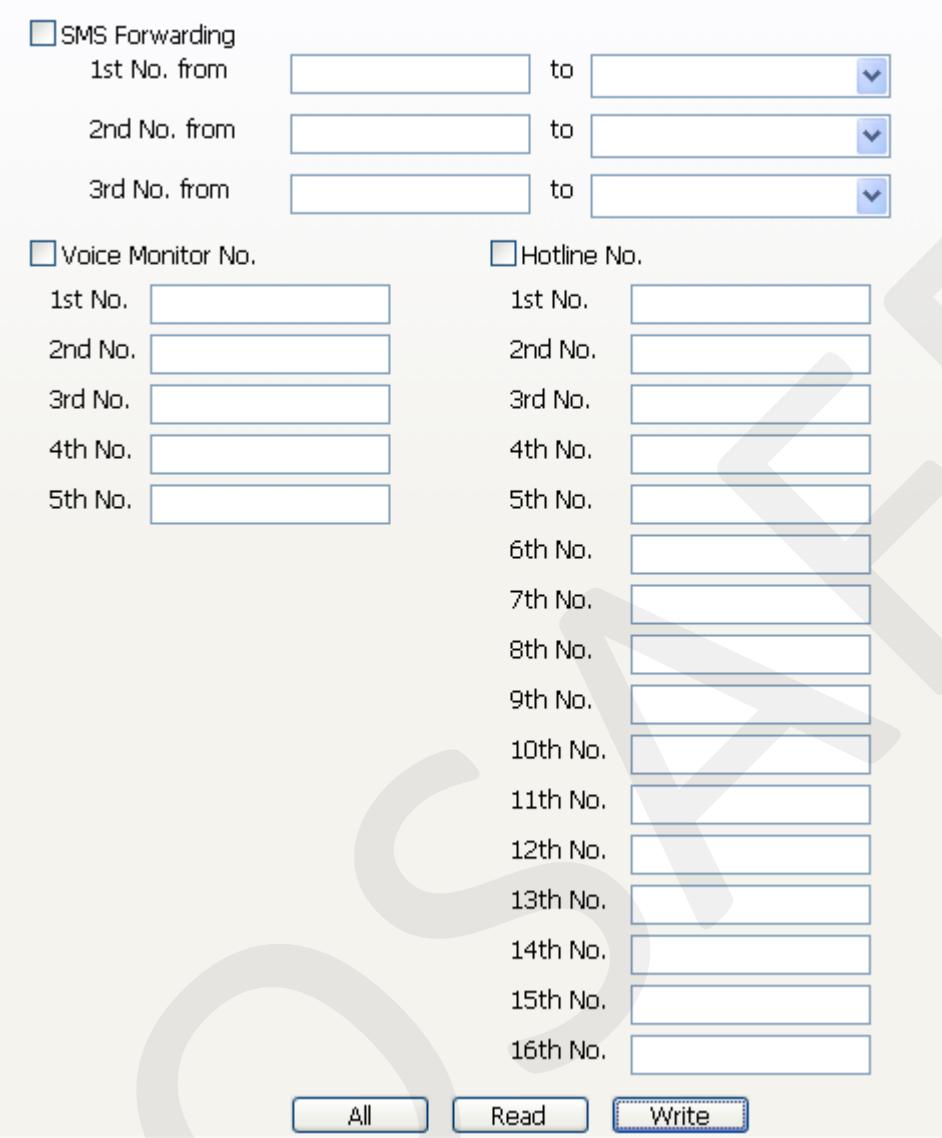
The device will keep uploading automatically once it reach on certain distance by the TCP channel.

3.3.3.11 UDP upload mode

Same explanation like the TCP upload mode. The only difference is that the upload channel changes to UDP channel.



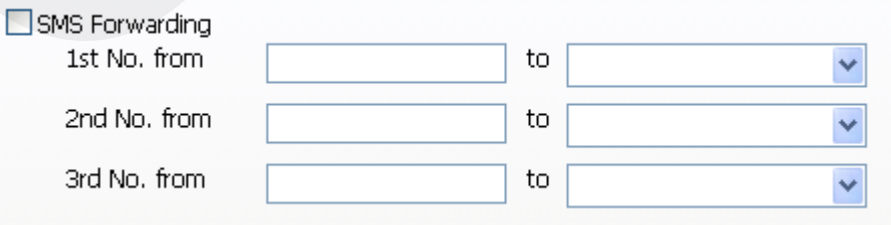
3.3.4 Phone page



This page is used to set phone list, including SMS forwarding list; monitor list and hotline list.

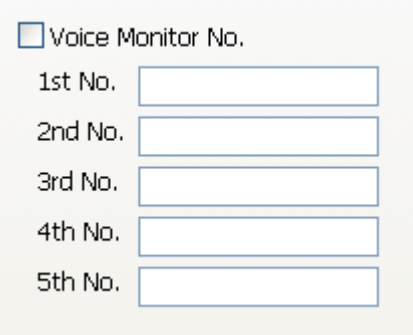
3.3.4.1SMS forwarding

Our device can transfer the SMS from certain No. to certain No. it is usually used to set transferring the SMS from the telecommunication company to the user, for example, the payment reminder SMS.



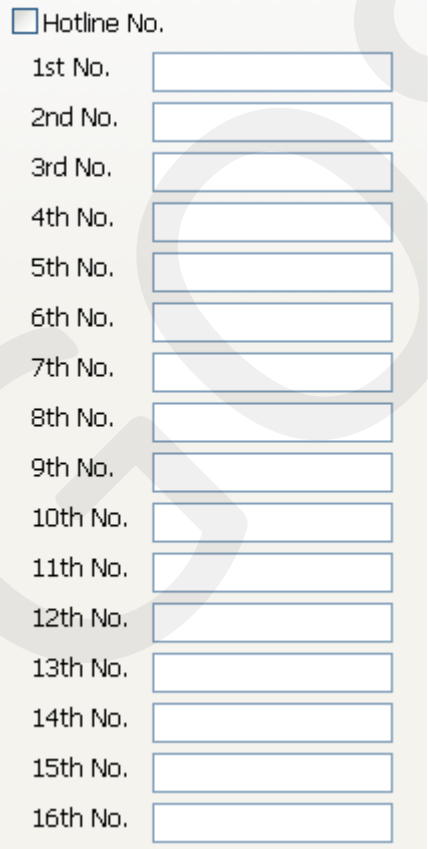
3.3.4.2 Voice Monitor NO.

Only the voice monitor No. can get the call from the device that can call automatically when it gets voice monitor command. And only when these numbers call the device, the device can automatically pick up the call to let you monitor. Once you set any No. of the list "×××××××", then any phone No. can monitor the device.

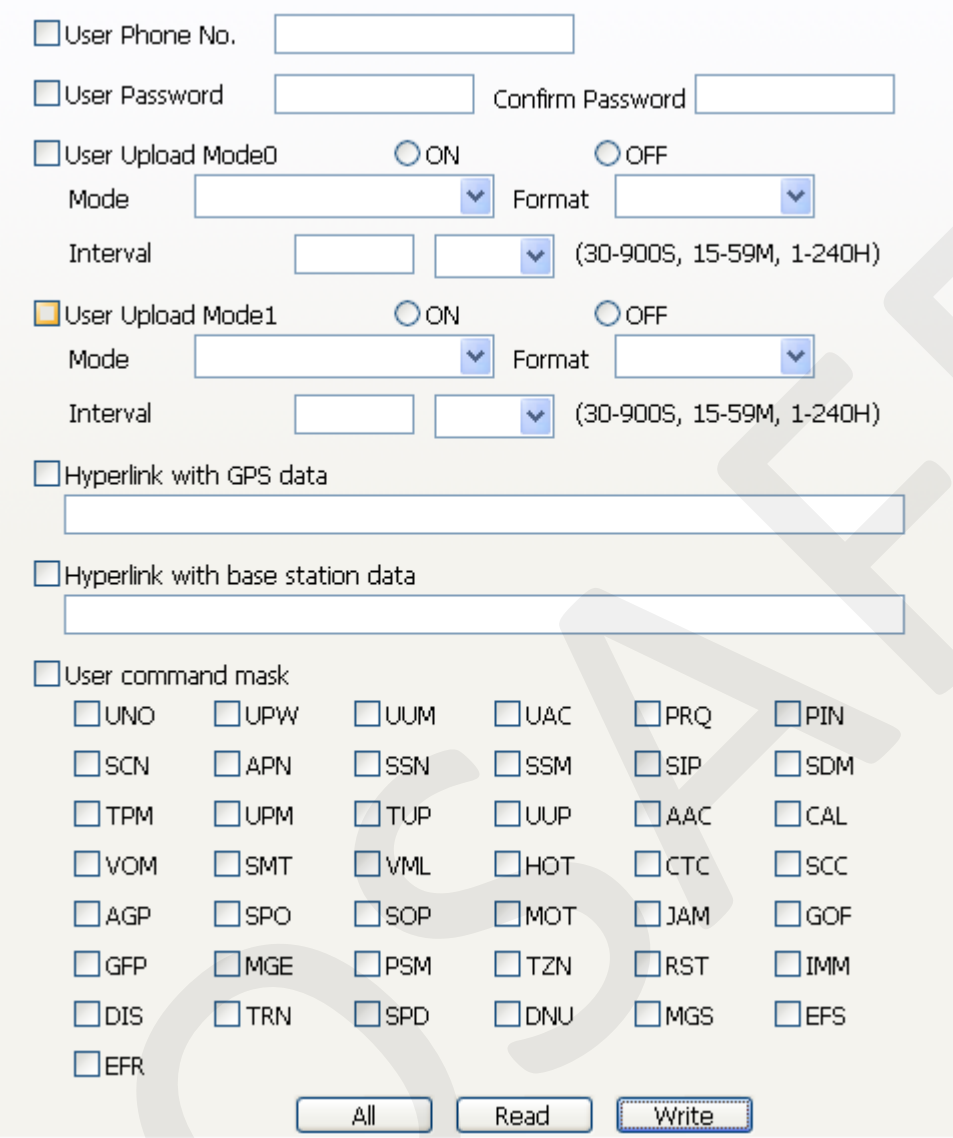


3.3.4.3 Hotline NO.

The Hotline No. can achieve two way communications with the device. Once you set any No. of the list "×××××××", then any phone No. can achieve two way communication with the device.



3.3.5User page



This page is used for setting user information, including user phone number; user password and user upload mode.

3.3.5.1 User phone NO.

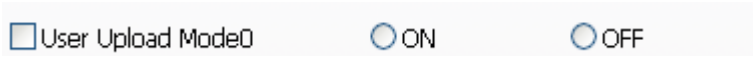
Set the user phone No. If you want to send some command to the device by the user phone, you have to set the same user phone No.

3.3.5.2User Password &confirm password

Set the user password and confirm it. When the user needs to send the command to the device, the password is the essential part of the command. For details, see the command list.

3.3.5.3User upload Mode0

Enable and disable user upload mode0.



3.3.5.4

Parameter 1

G: GPS data: the GPS data will be uploaded to the user phone No.

S: Base station data: the Base station data will be uploaded to the user phone No.

L: Voice Monitor: it will can the user by interval to the user monitor.

Parameter 2

T: Text: the location's format will be text.

W: Hyperlink: the location's format will be hyperlink.

Parameter 3

Data upload interval and voice monitor interval can be set. The value is 30~900S, 15~59M, 1~240H.

3.3.5.5User upload Mode1

Same explain as the user upload0. This another user upload mode to choose.

3.3.5.7Hyperlink with GPS data

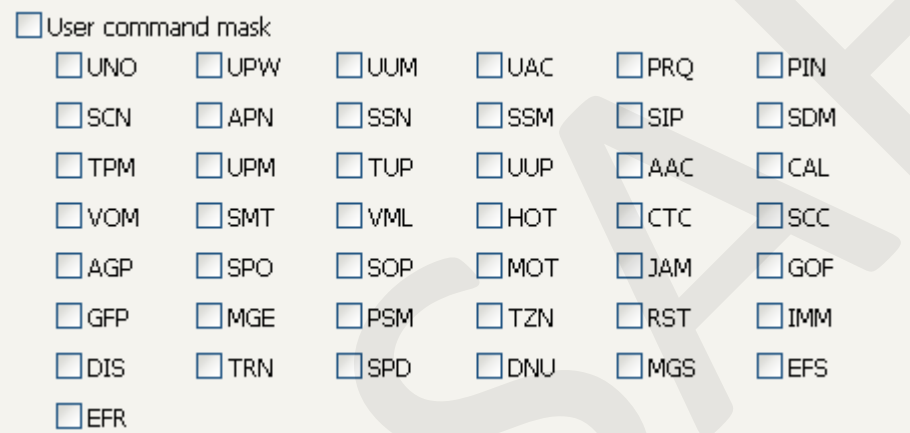
This is the setting for the hyperlink which user receives if he set the W mode. The default setting is Google map link but this can be changed to specific map link like Bing, Yandex or open street map. And you have to give the setting parameters. And this one is for the GPS data.

3.3.5.8Hyperlink with base station data

This is the setting for the hyperlink which user receives if he set the W mode. The default setting is nothing but this can be changed to specific format. And you have to give the setting parameters. And this one is for the LBS data. For details, see the protocol. Generally speaking, do not set this one.

3.3.5.9User command mask

This is used to allow which command the user can use.



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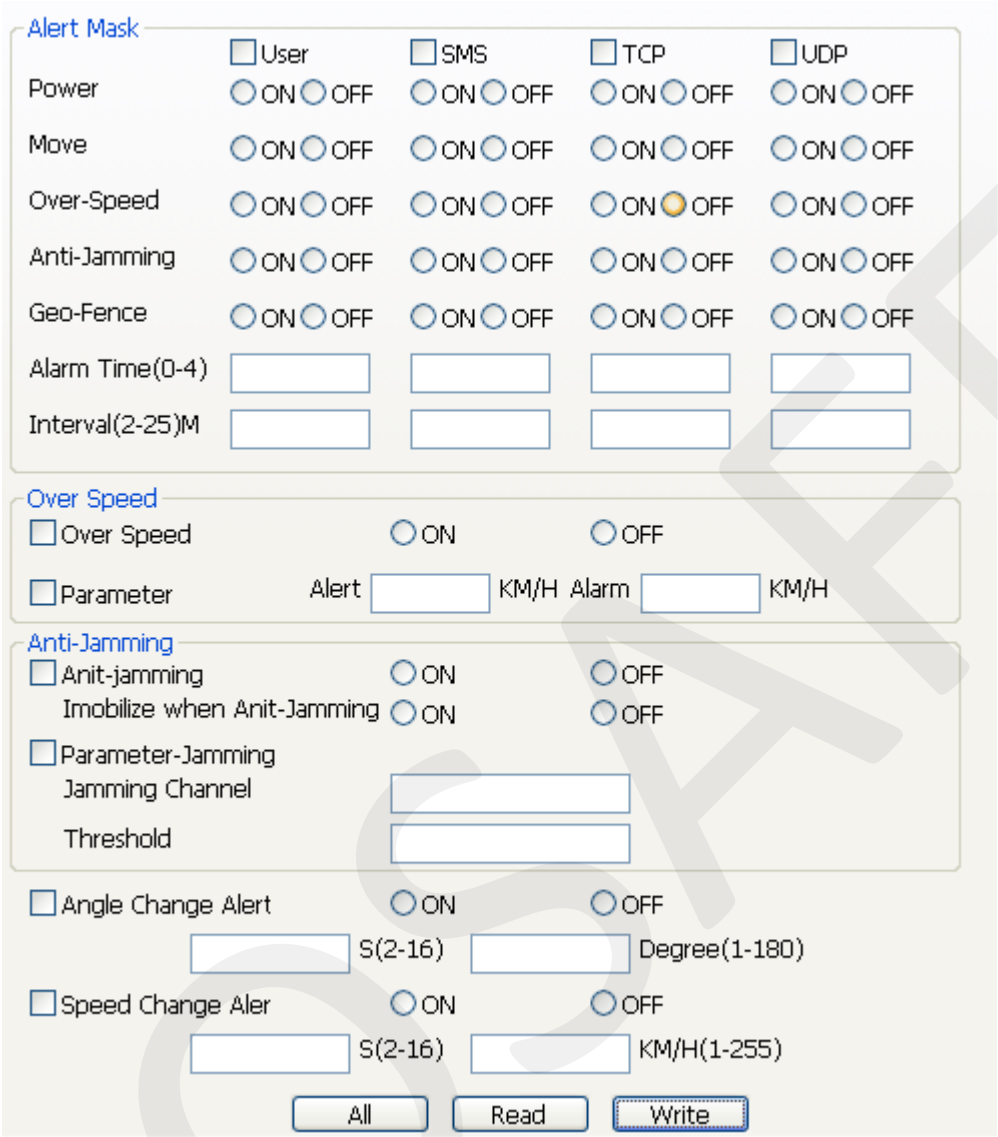
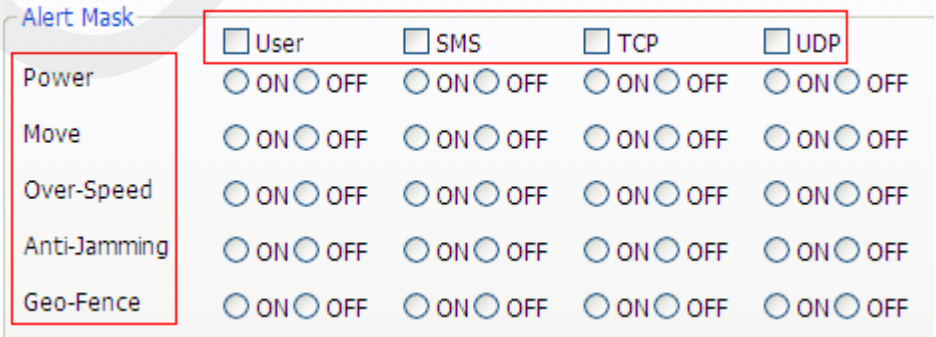
3.3.6Alarm page



This page is used to set alert mask, over speed parameter and anti-jamming parameter.

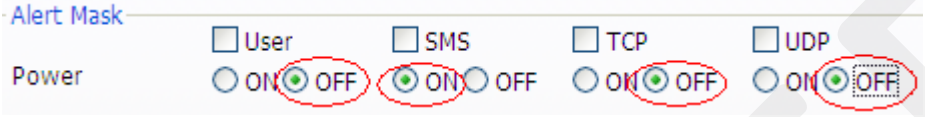
3.3.6.1Alert mask

Here we have five alarms to choose. And there are four destinations to send these alarms, the user, the SMS server, the TCP server, the UDP server. See the below picture.

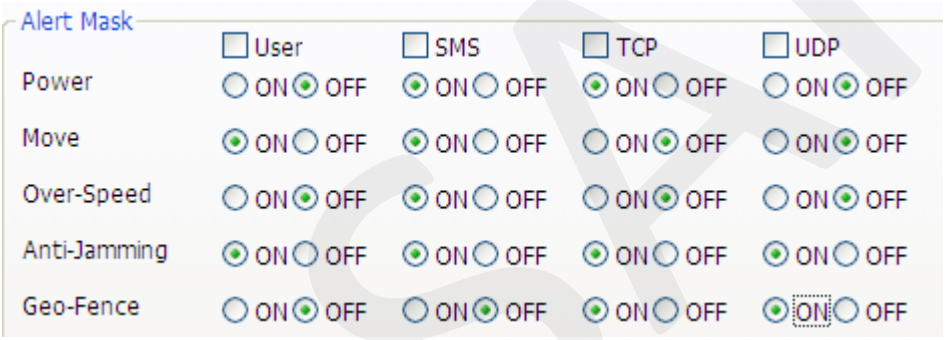


1. With the below picture, that means power alarm will be sent to the user.

2. With below picture, that means the power alarm will be sent to the SMS server only. It will not be sent to the user, the TCP server, the UDP server.

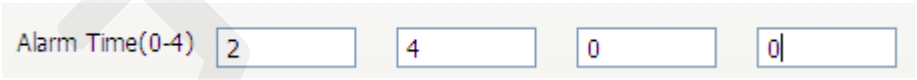


3. With below picture, that means the power alarm will be sent to the SMS server and the TCP server. The move alarm will be sent to the user and the SMS server. The over-speed alarm will be sent to the SMS server only. The anti-jamming alarm will be sent to all the four destinations. The Geo-fence alarm will be sent to the TCP server and the UDP server.



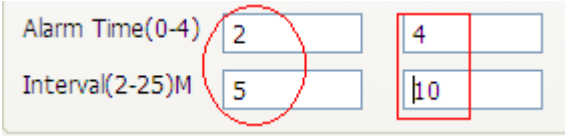
3.3.6.6Alarm time

You can set the alarm times. This is for all the alarm. But to different destination, it can be different. You can set to the user two times. And at the same time, it can be 4 times to the SMS server, 0 times to the TCP server and 0 times to the UDP server.



3.3.6.7interval

If we set the alarm 2 or more than 2 times, there must have the interval. So you can set the interval here. They are paired like the below picture shows.

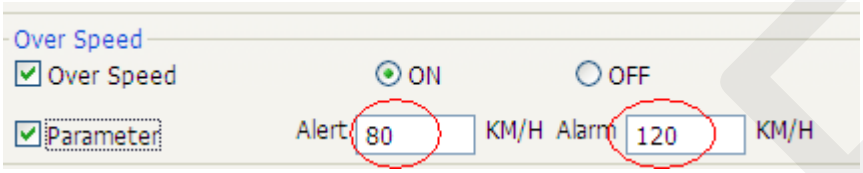


3.3.6.8over speed mask

Enable and disable the over speed alarm/alert.

3.3.6.9 over speed parameter

Set the speed. If we set like the below pictures, the over speed alarm/alert is enabled. Once the vehicle speed is 80 or more than 80KM/H, the device will send the over speed alert. If the vehicle speed is 120 or more than 120KM/H, the device will send the over speed alarm.



3.3.6.10 Anti-jamming mask

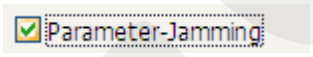
Enable and disable anti-jamming mask.

3.3.6.11Imobilizer when anti-jamming

Enable and disable immobilizing the car when anti-jamming.

3.3.6.12paramete anti-jamming

Like all in the soft ware, if you want to set any of them, you have to countermark like the below picture.



If you leave it like the below picture, then it does not work no matter what you do with the parameters. Even you make it like the picture 2; the anti-jamming is still off.

Picture 1

Picture 2

3.3.6.12.1 Jamming channel and threshold

This is for setting on what kind of phenomenon will be considered as anti-jamming.

3.3.6.13angle change alert mask

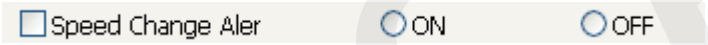
Enable and disable the angle change alert

3.3.6.13.1angle change time and degree

This is for setting on what kind of phenomenon to send the angle change alert. For example, if you set it like the below picture, then if the vehicle changes the angle more than 90 degree in two seconds or less than 2 seconds, the device will send the angle change alert.

3.3.6.14speed change alert

Enable and disable the angle change alert.



3.3.6.14.1Speed change alert time and degree

This is for setting on what kind of phenomenon to send the speed change alert. For example, if you set it like the below picture, then if the vehicle changes the speed more than 100 degree in 4 seconds, the device will send the speed change alert.

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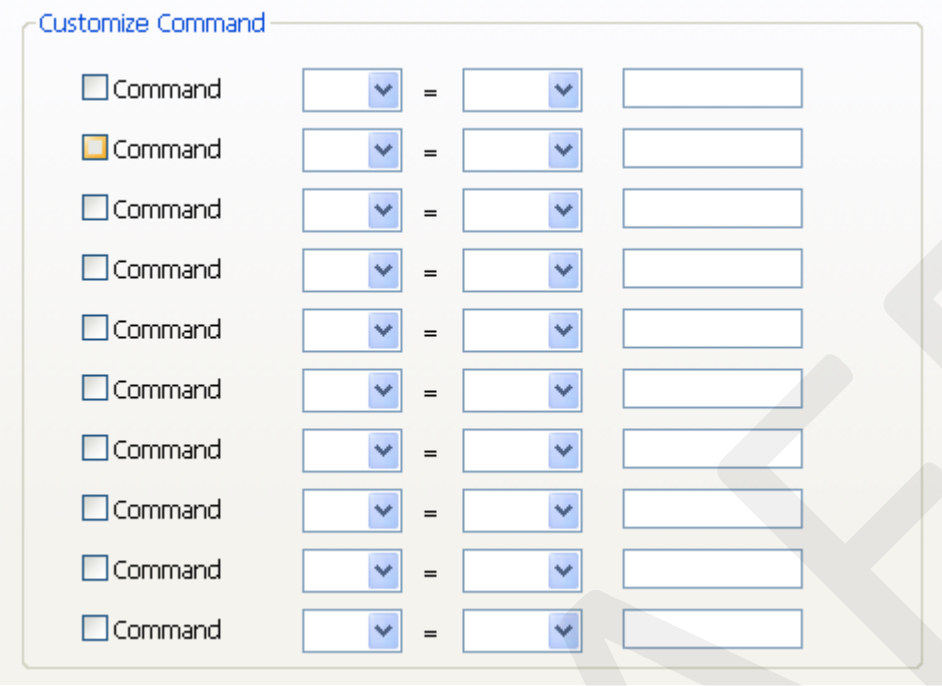
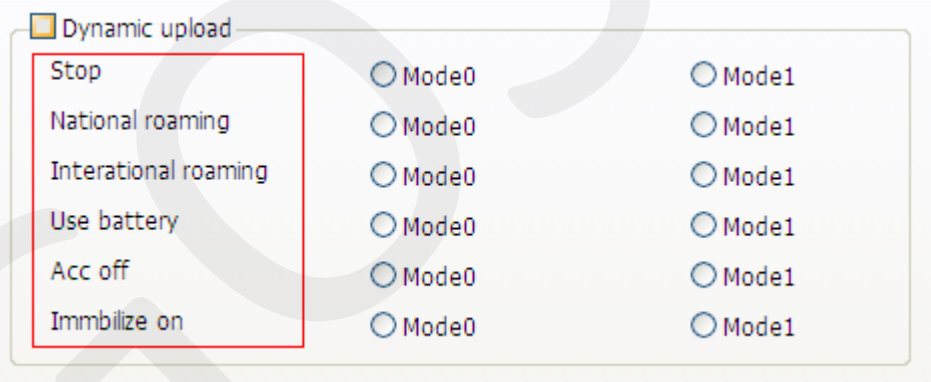
3.3.7Shortcut page



You can set shortcut for the commands on this page, there are 10 shortcuts， each one corresponds with different command. The specific corresponding parameter command can also be saved in the cmd list of config.xml file in advance.

3.3.8 Dynamic page



You can set Dynamic upload mode 0 or mode1 for each status. There are six statuses to choose. If you set the front pages, that are the SMS Server page, the TCP and UDP page and user page, with different mode. Then on the corresponding status, if you choose mode0, all the front three pages set will work at mode0.

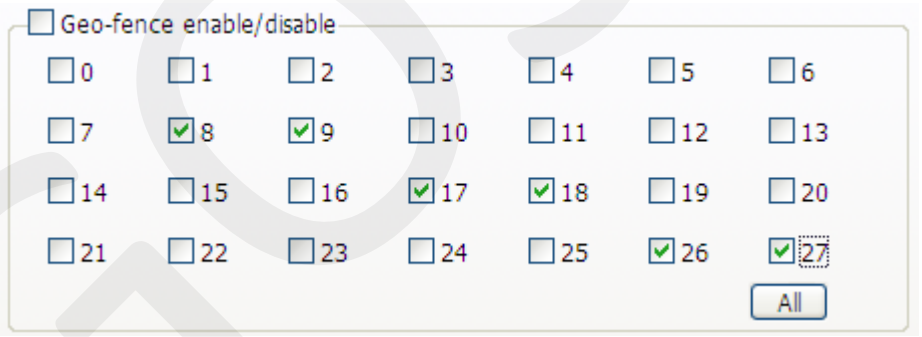
Note: the condition is the three front pages mode have been set and enabled.

3.3.9Geo-fence page

On the Geo-fence page, you can set enable/disable geo-fence and user mask of geo-fence.

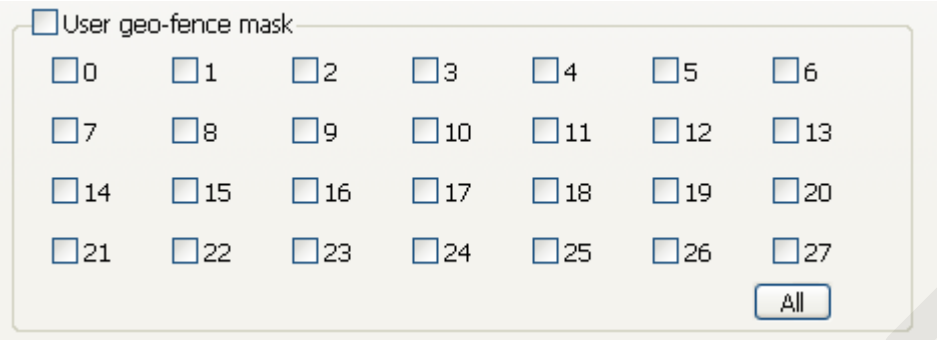
3.3.9.1enable/disable Gen-fence

We have total 28 Geo-fences can store in the device memory. Then you can choose some of them or all to let them work. If you choose it like the below picture, then only number 8, 9,17,18,26 and 27 will work. The others won't work.

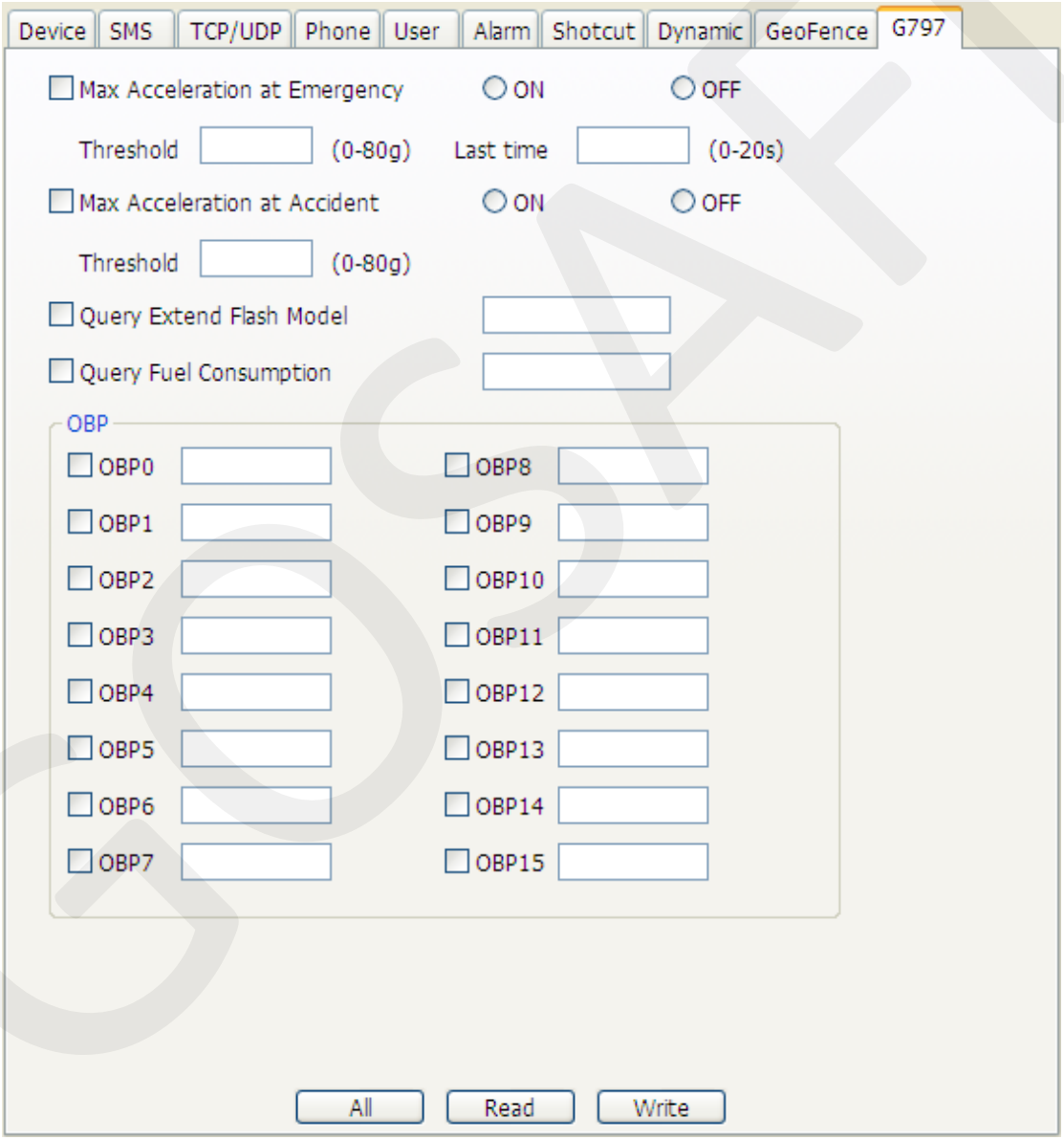


3.3.9.2User geo-fence mask

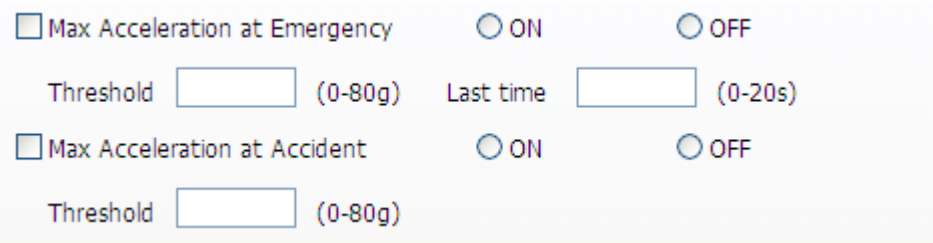
This means you can choose on which geo-fence the user can get the alarm if there is any alarm.



3.3.10G797 page



3.3.10.1



Max Acceleration at Emergency and Max Acceleration at Accident is used for setting 3D G-force sensor.

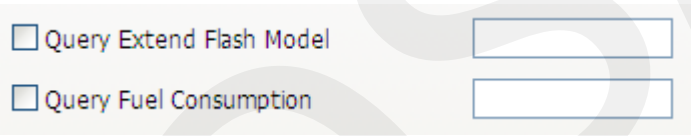
Max Acceleration at Emergency: Parameter 1:acceleration speed threshold，unit 0.1g, Range :0-80, that is 0-8g. 0 means disable emergency acceleration detect feature

Parameter 2: the duration of reaching acceleration threshold；unit：0.1S；range 2-20，that is from 0.2Sto 2S

Max Acceleration at Accident: Parameter: acceleration speed threshold,unit:0.1g, range :0-80; that is

0-8g. 0 means disable accident acceleration detect feature

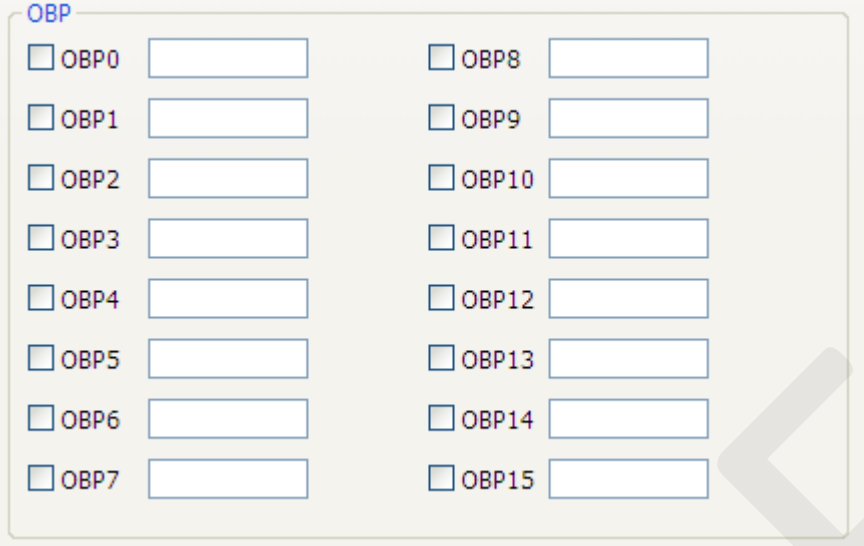
3.3.10.2



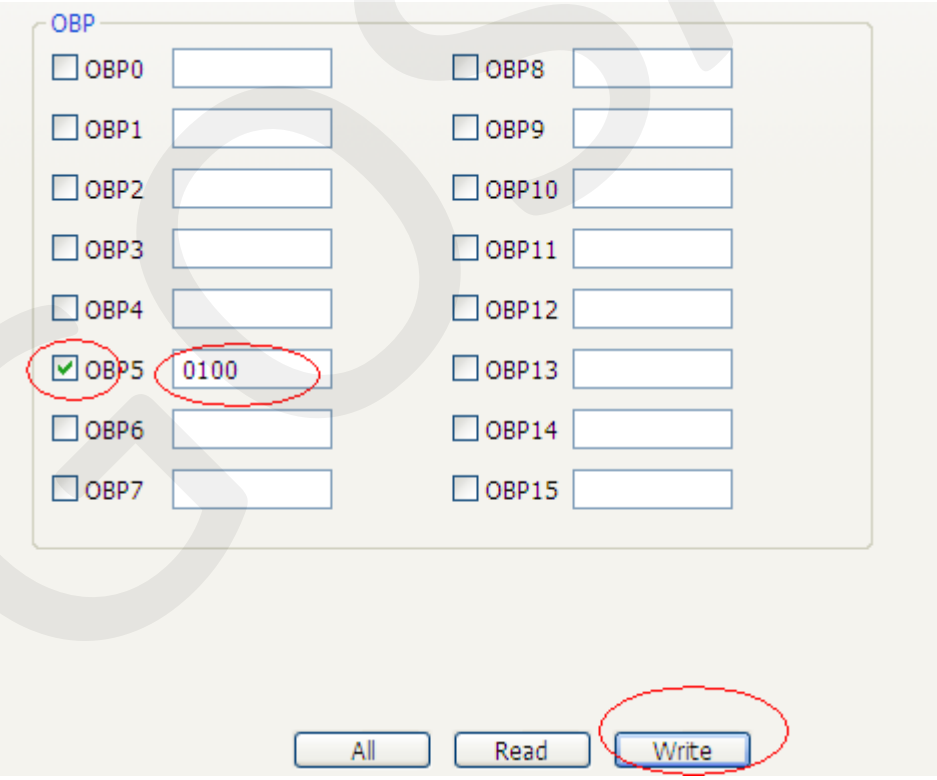
Query Extend Flash Model: Check Flash model, just for query, cannot be set.

Query Fuel Consumption: Check fuel consumption, just for query, cannot be set.

3.3.10.3



This one is for setting OBDII data uploading. It will decide which OBDII data can be uploaded. When you check your vehicle's protocol, and you know which one is open by the vehicle manufacturer, you can just choose one of the 15 OBP data which have not been used for any OBDII data uploading, and then input the OBDII code you decide to upload. Click it like the below picture, then press the "write" button. In the future, you will get this OBDII data.



3.4Import and export the parameter

Clicking the “import” button which is on the left side of the configuration software, Selecting the last exported configuration file, this can import the parameter to the software, and then click WriteAll button , you can write all the parameter into the device, after you finish, click the Export button, select the aim file to save your parameter into the file.

3.5 note of Apnlist.txt file

Apnlist.txttion is made up of a lot of sections, each section represents one country. The format is as following:

[yyyy]

MCC=xxx; MNC=xx; APN=xxxxxxxx; USER NAME=xxxxxx; PW=xxxxxxx;

MCC=xxx; MNC=xx; APN=xxxxxxxx; USER NAME=xxxxxx; PW=xxxxxxx;

yyyy is country name, there are two mobile operators.

3.6note of Config.xml file

<Setting>node

application name is the name of procedure

isAutoConnect means if the configuration can connect automatically.

Delay is the delay of read-write of the serial port (the non-professional user can ignore this)

<tznlist>node is made up of a lot of elements, each element contains

country and tn these two prosperity, one country can correspond multiple tn

<cmdlist>node is made of a lot of elements, each contains command and parameter these two prosperity

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